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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, 5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **COHEN-BACRIE,**

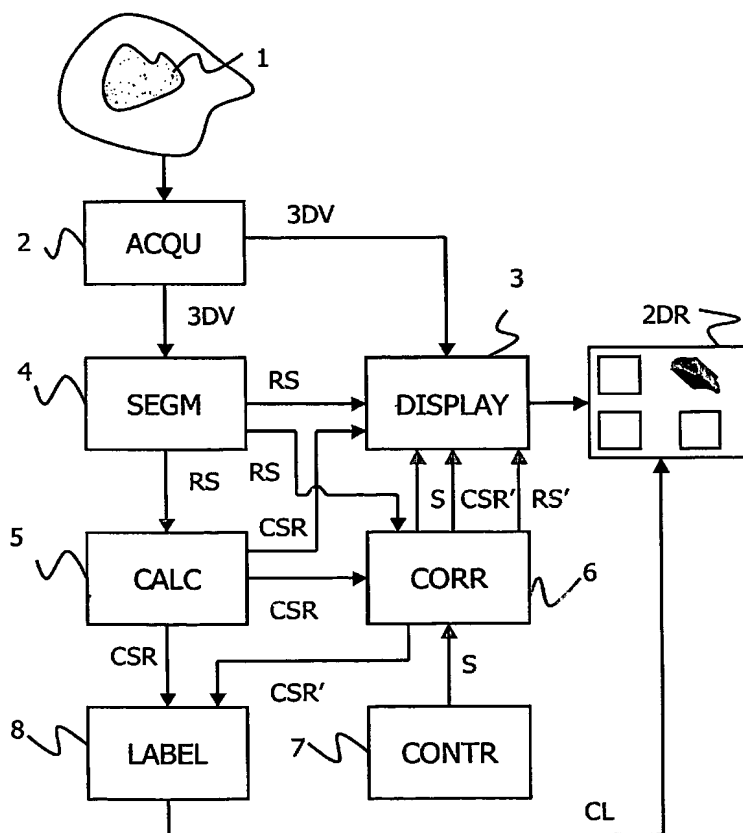
Claude [FR/US]; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **LAGRANGE, Jean-Michel** [FR/FR]; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **LEVRIER, Claire** [FR/FR]; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR). **ENTREKIN, Robert, Randall** [US/US]; Société Civile SPID, 156, Boulevard Haussmann, F-75008 Paris (FR). **VILLAIN, Nicolas** [FR/FR]; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

(74) Agent: **CHAFFRAIX, Jean**; c/o Société Civile SPID, 156 Boulevard Haussmann, F-75008 Paris (FR).

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(54) Title: **MEDICAL IMAGING SYSTEM AND A METHOD FOR SEGMENTING AN OBJECT OF INTEREST.**



(57) Abstract: The invention concerns a medical imaging system comprising means (4) of segmenting a region of interest around an object of interest within a volume of 3D data (3DV). The system according to the invention comprises means (5) of calculating a sub-regions map (CSR) within the segmented region (RS) and correction means (6) intended to exclude sub-regions of the segmented region by means of said sub-regions map (CSR). The correction can be made automatically or manually by means of control means (7) enabling a user to select the sub-regions to be excluded. Display means (3) make it possible to display a 2D representation (2DR) of the volume of 3D data (3DV) and the segmented region (RS, RS') at various stages of the processing.



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